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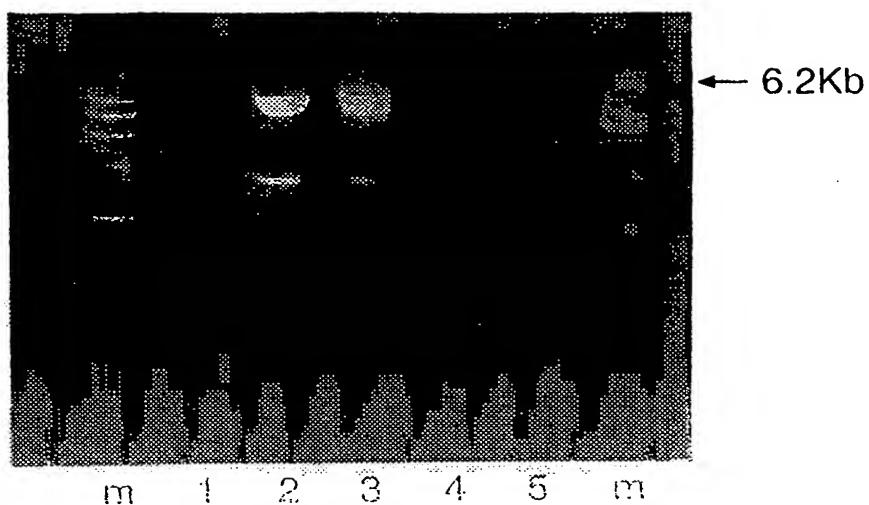


FIG. 1

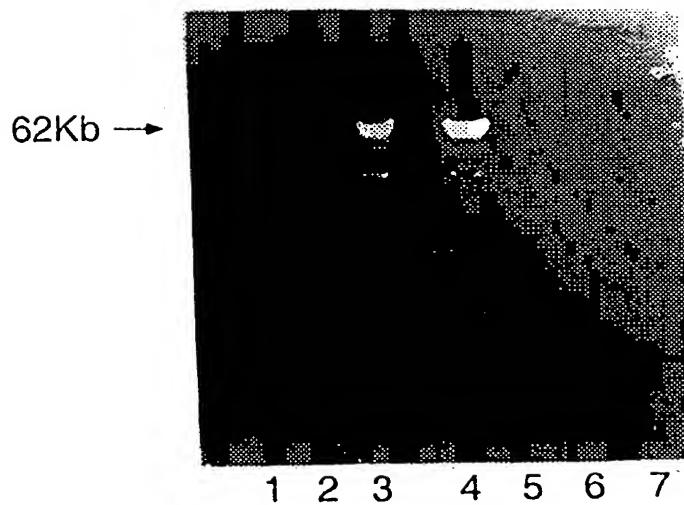


FIG. 2

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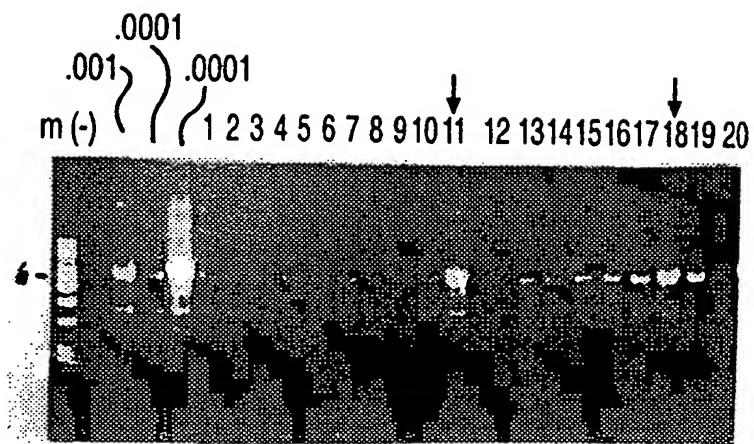


FIG. 3

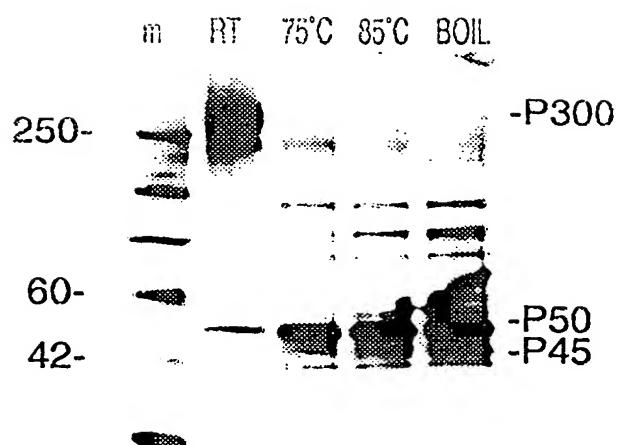
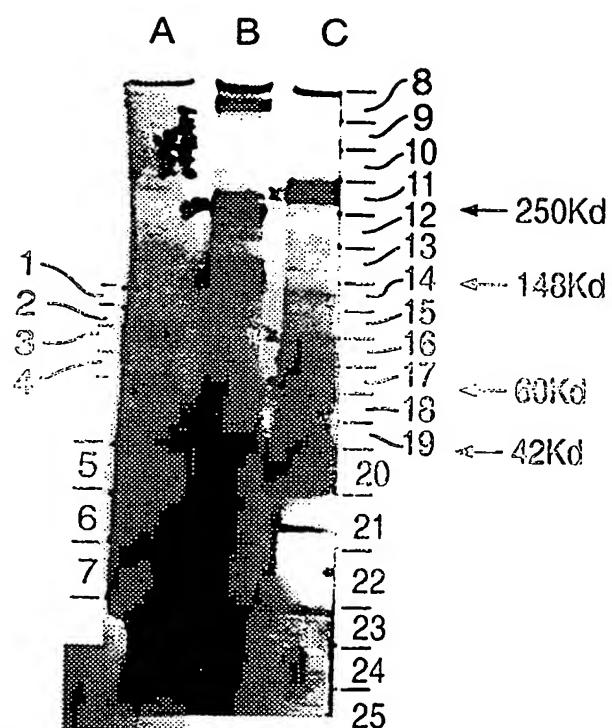
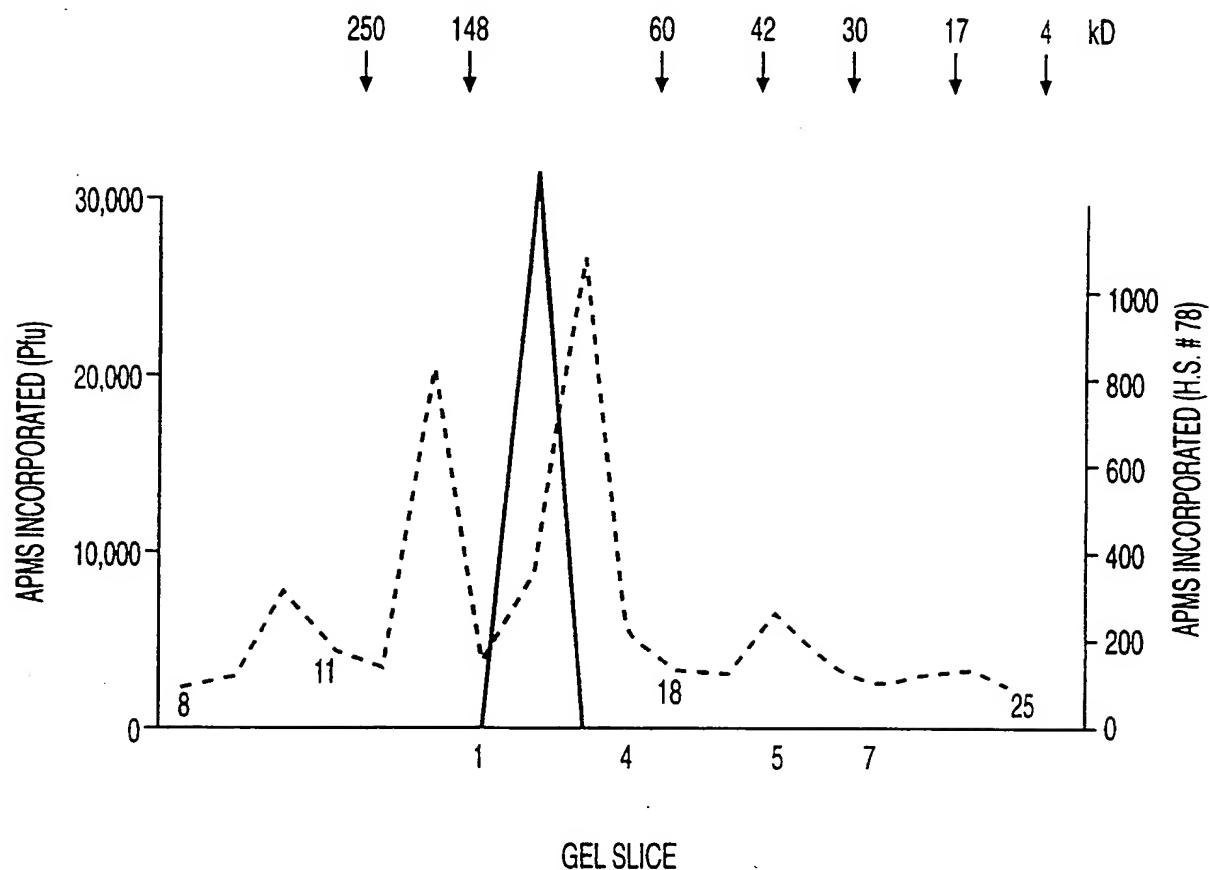


FIG. 7

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**FIG. 4**

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**FIG. 5**

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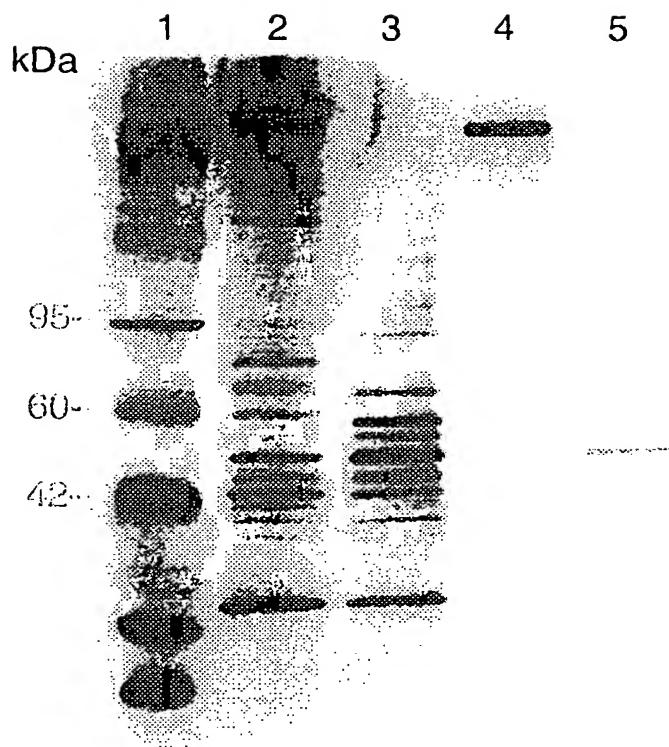


FIG. 6

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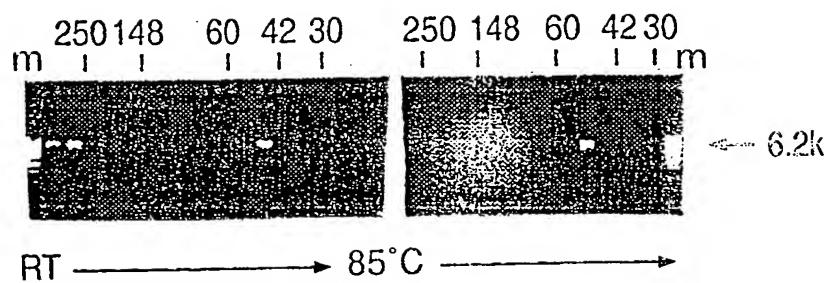


FIG. 8

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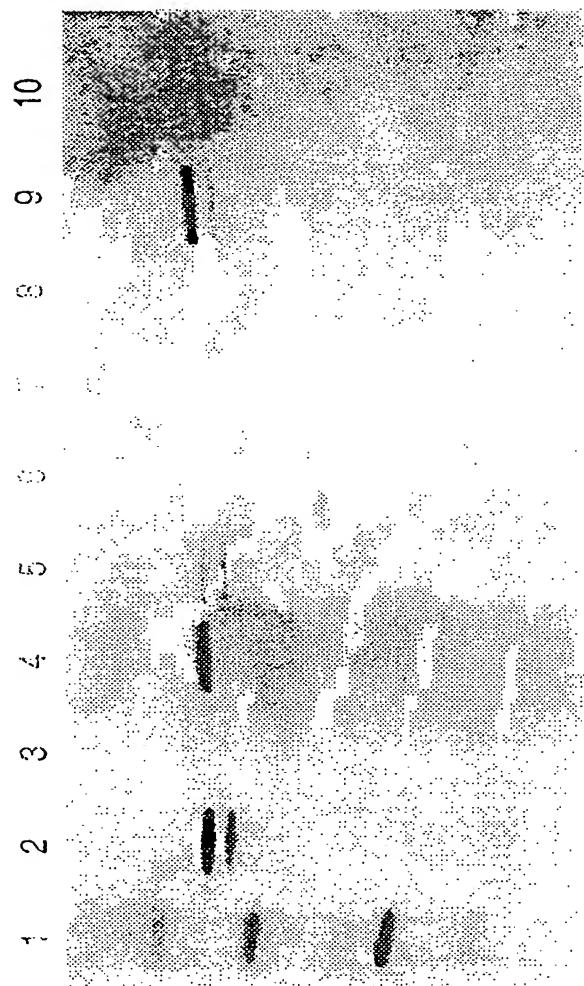


FIG. 9

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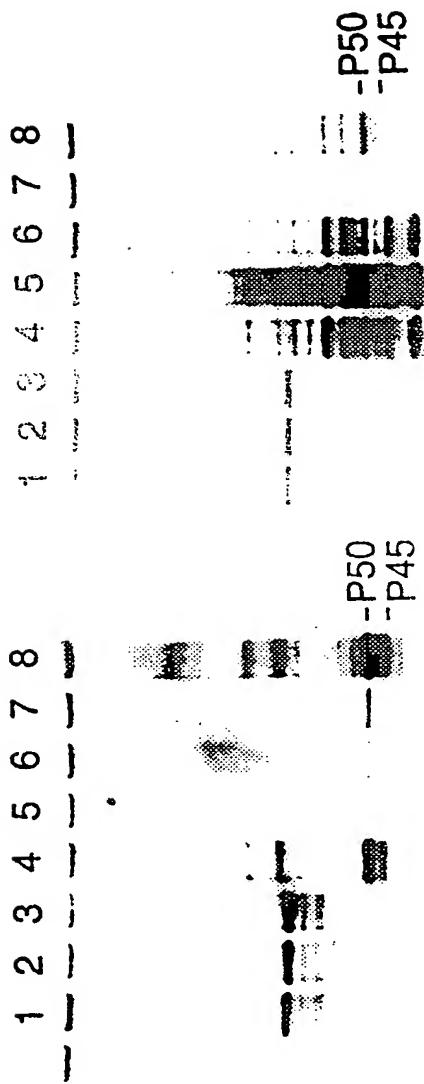


FIG. 10

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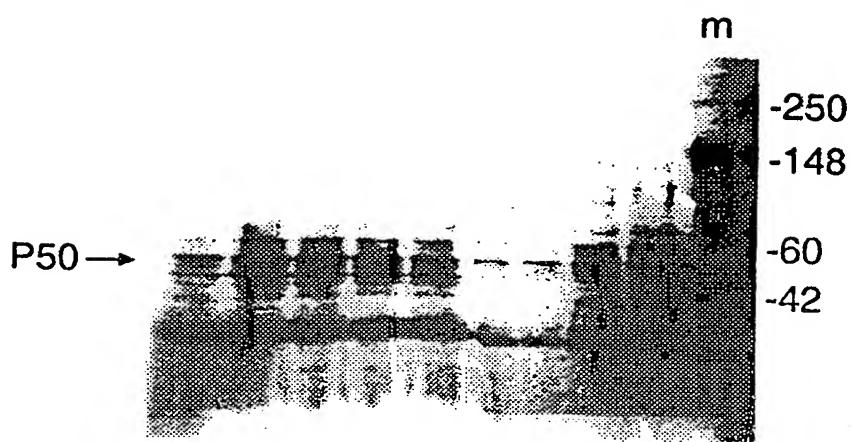


FIG. 11A

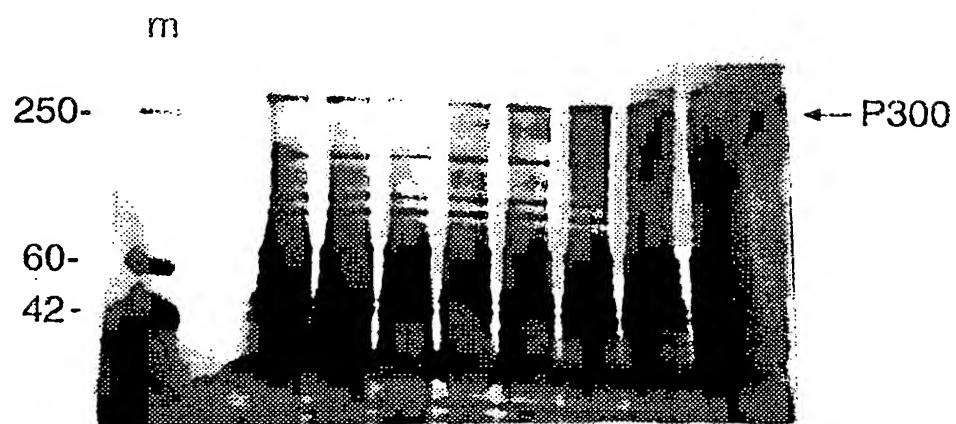


FIG. 11B

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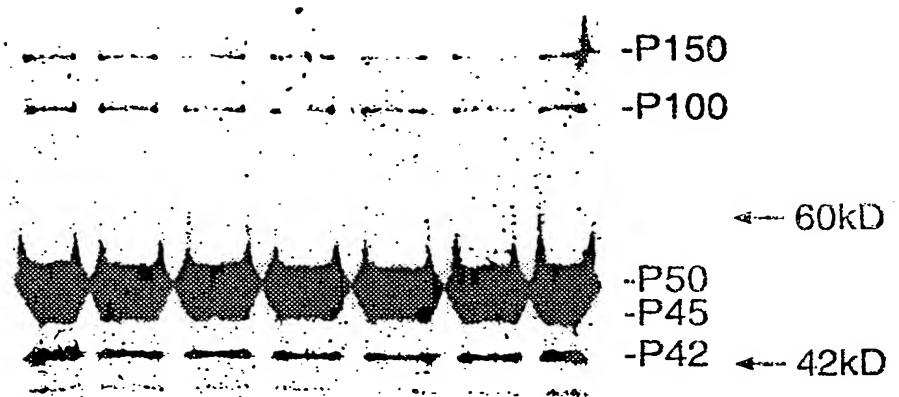
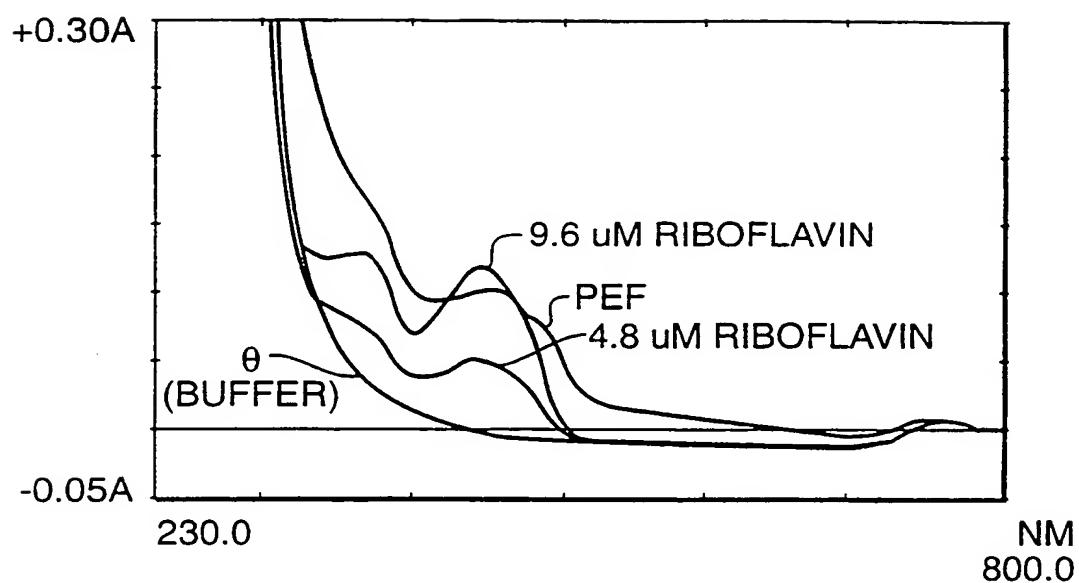


FIG. 12

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**FIG. 13**

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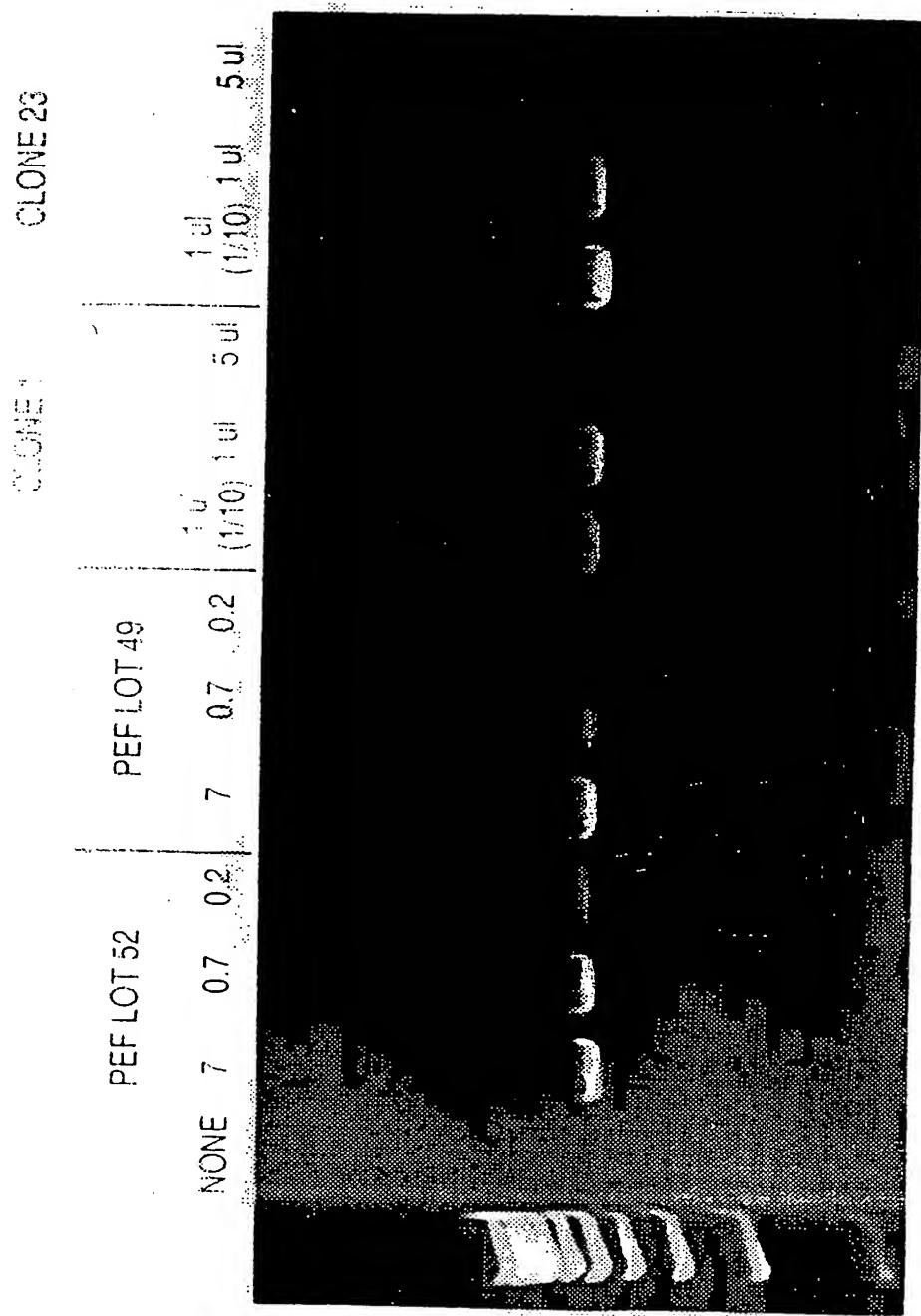
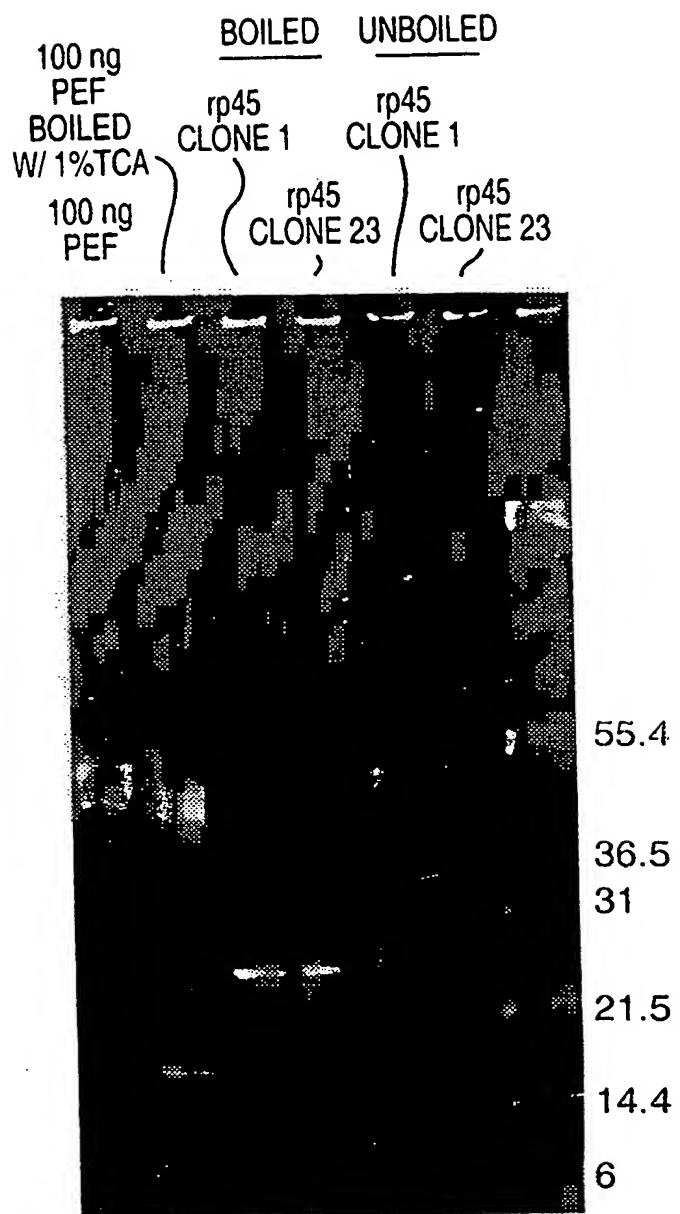
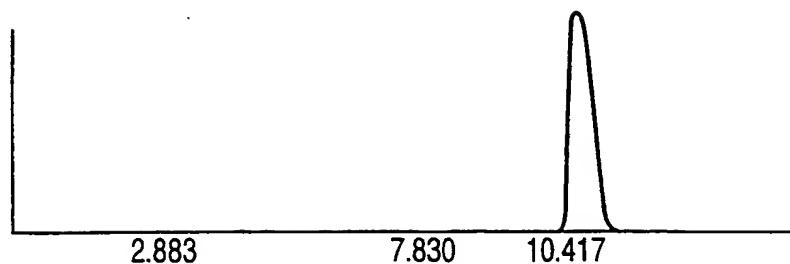
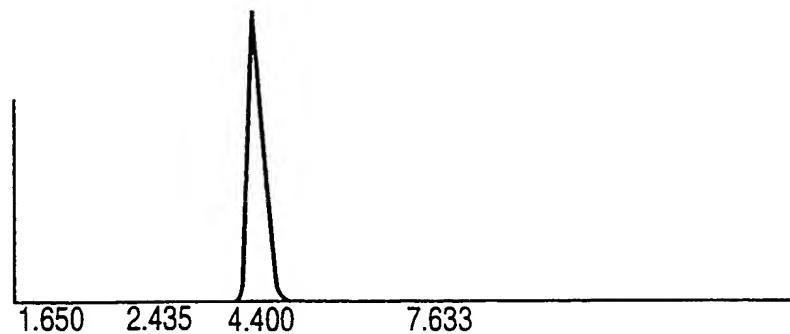
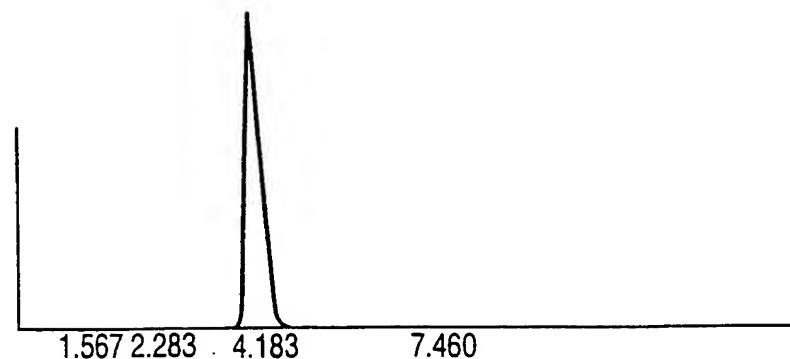


FIG. 14

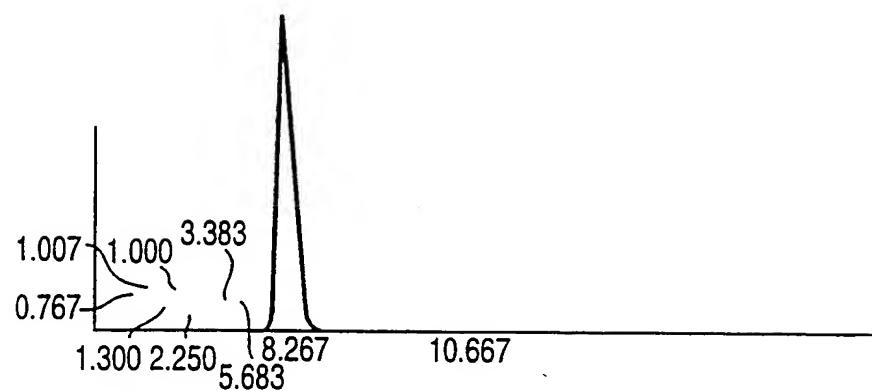
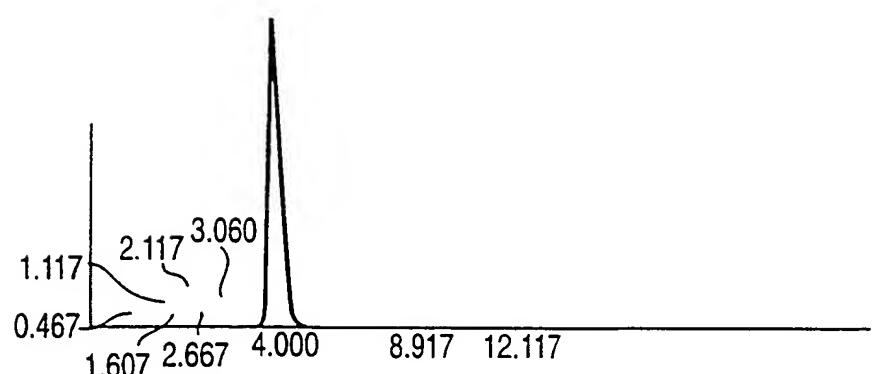
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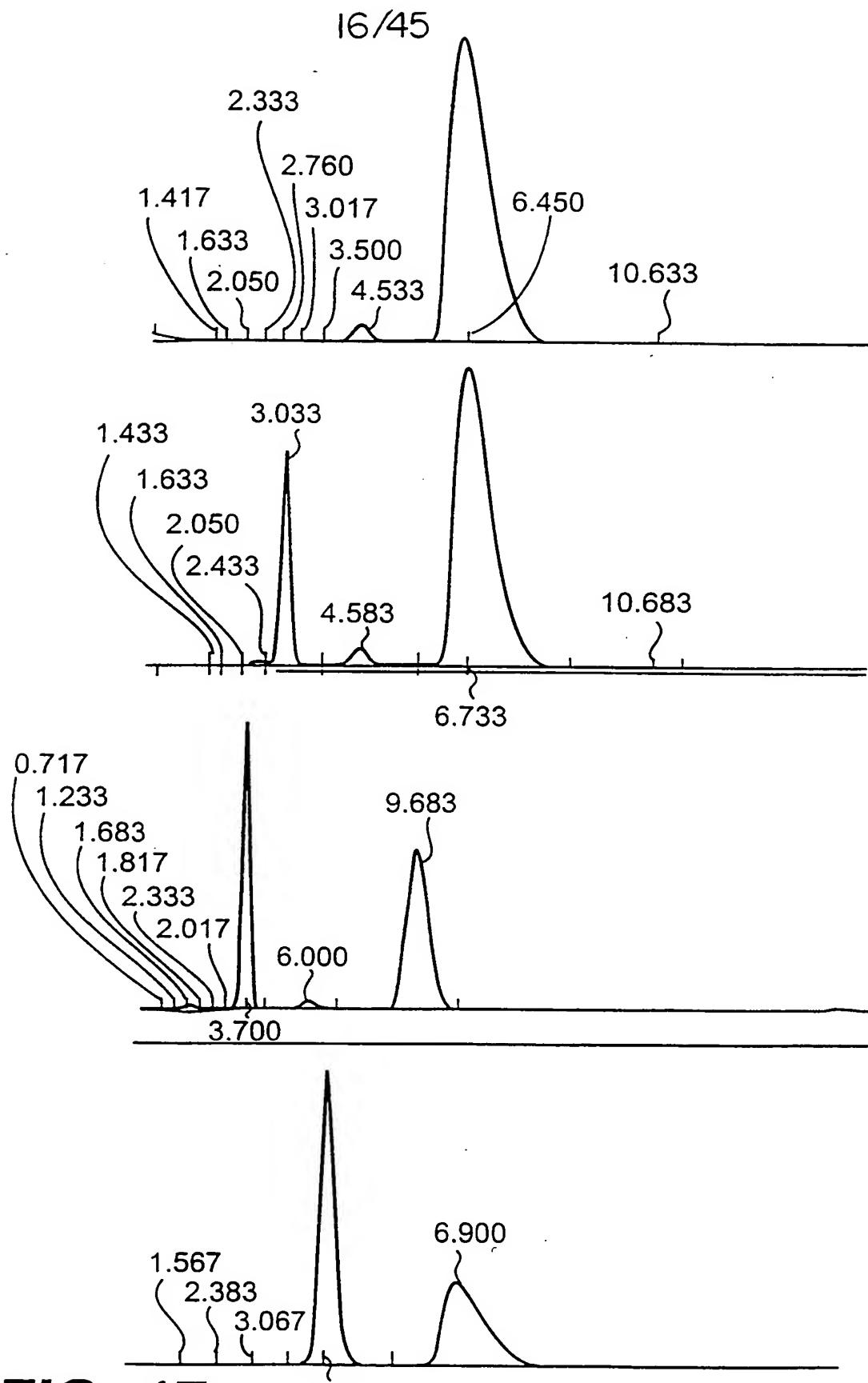
**FIG. 15**

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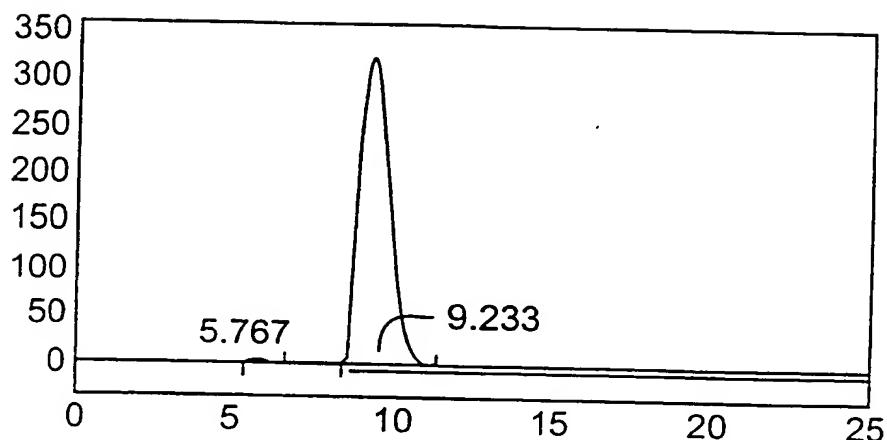
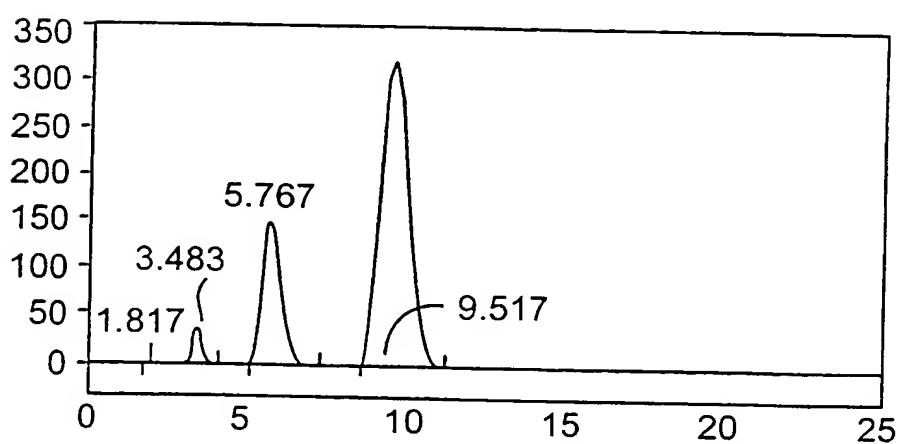
**FIG. 16A****FIG. 16B****FIG. 16C**

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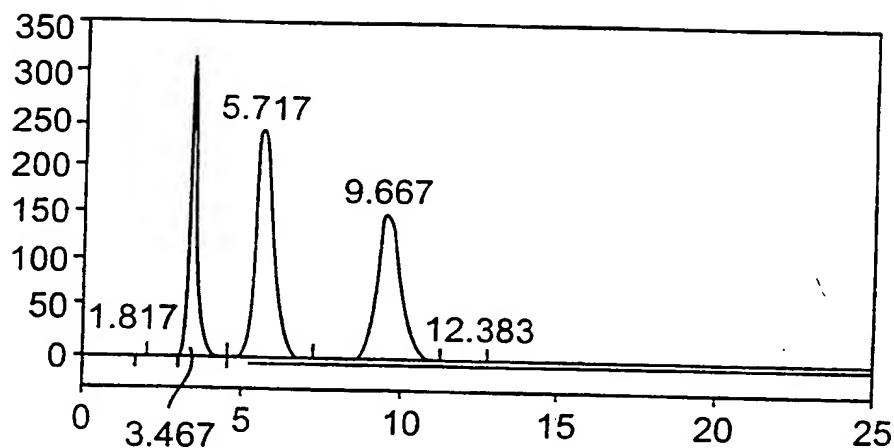
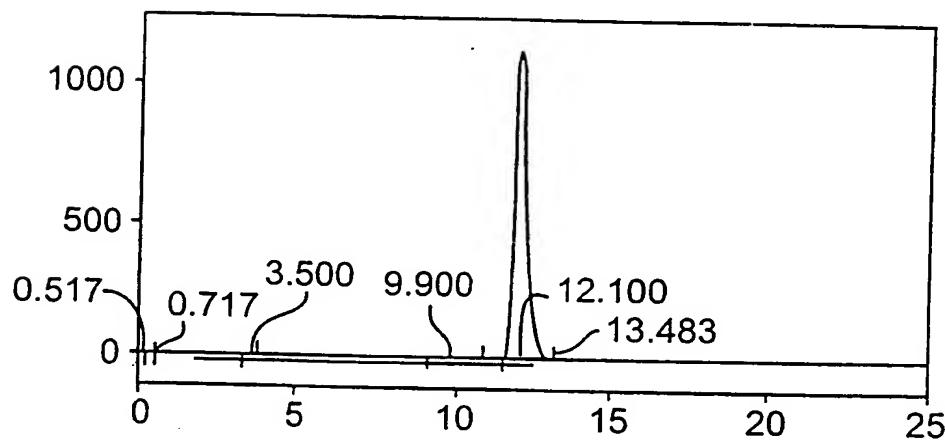
**FIG. 16D****FIG. 16E**

**FIG. 17**

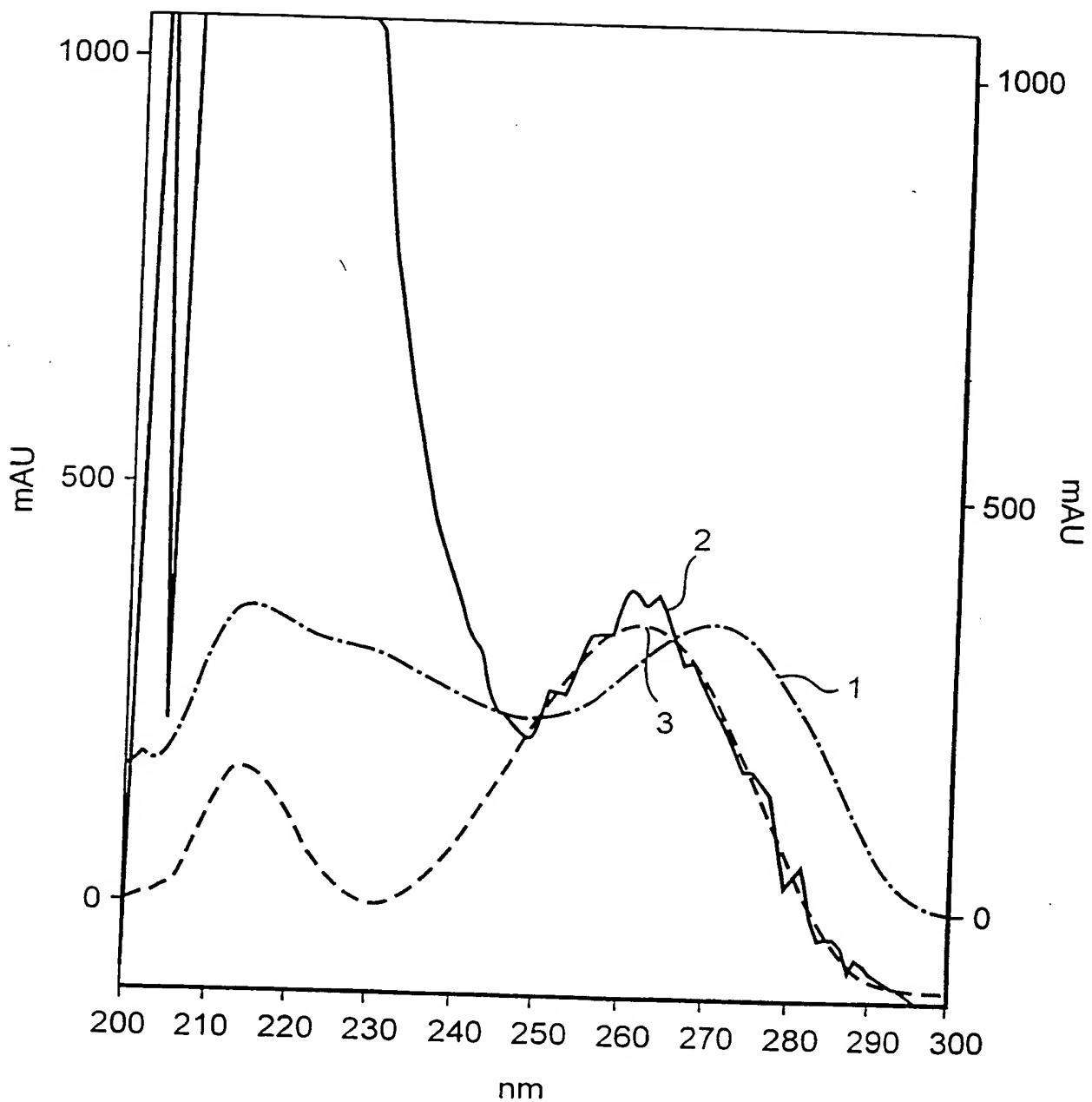
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**FIG. 18A****FIG. 18B**

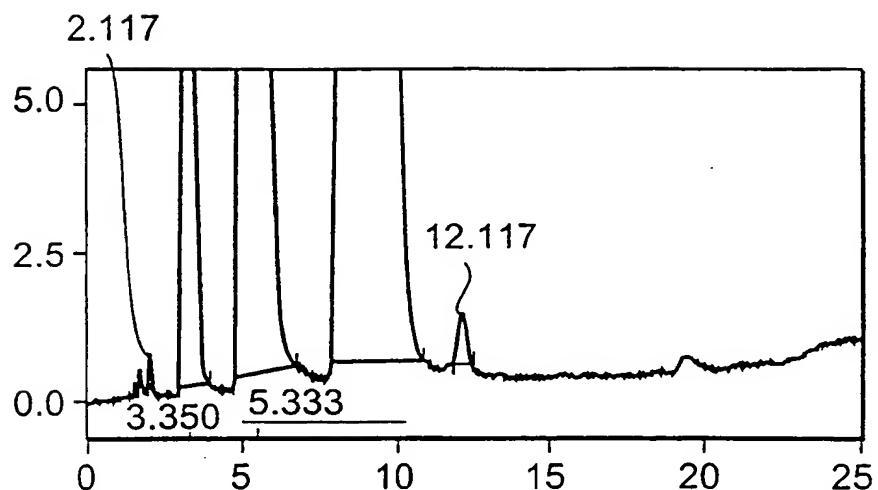
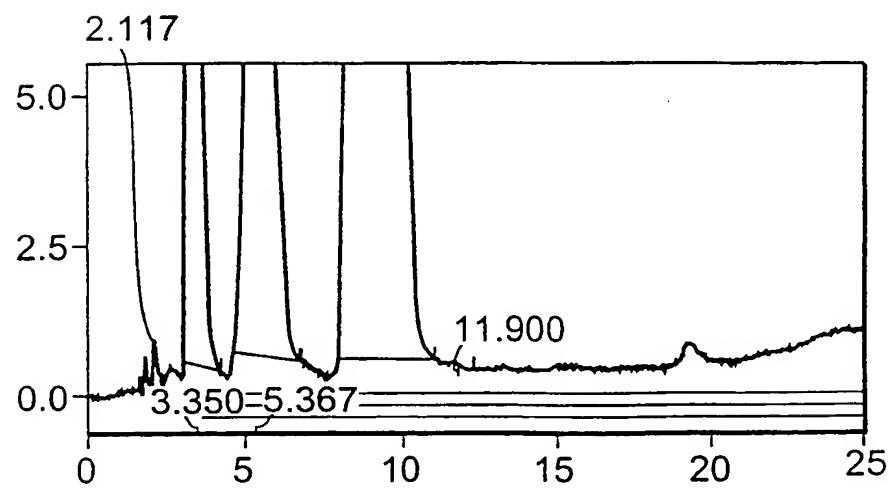
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**FIG. 18C****FIG. 18D**

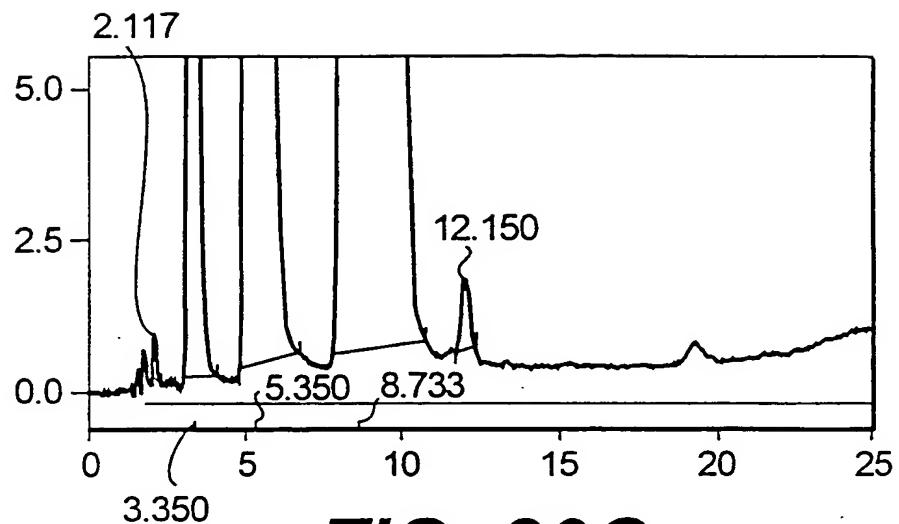
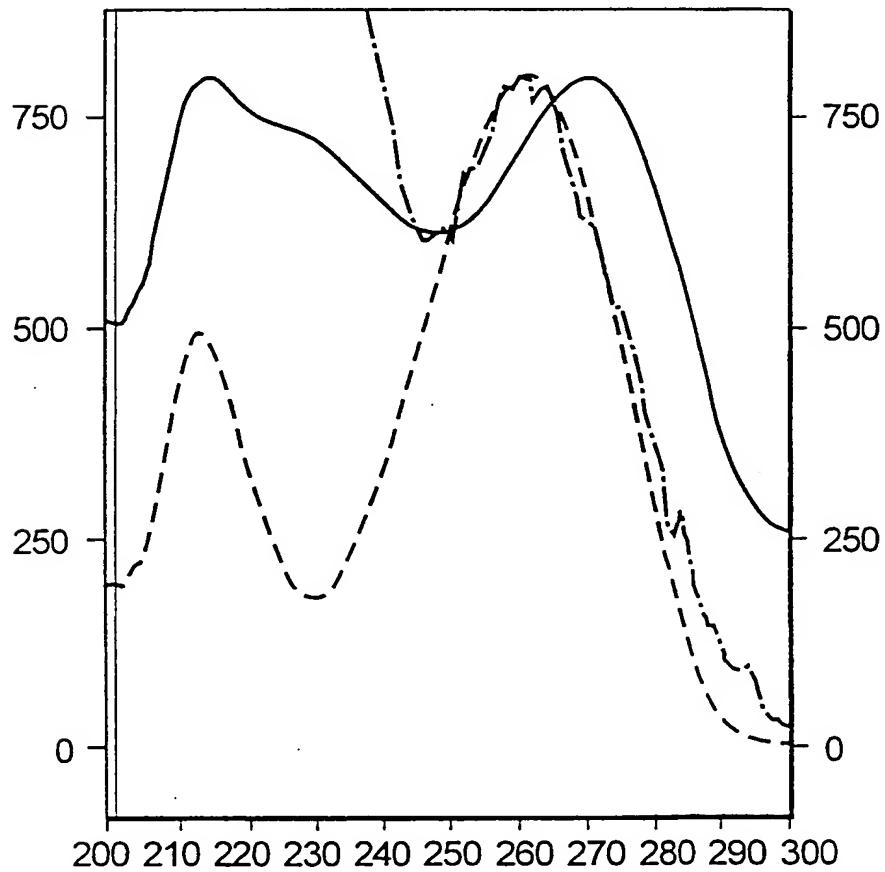
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**FIG. 19**

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**FIG. 20A****FIG. 20B**

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**FIG. 20C****FIG. 20D**

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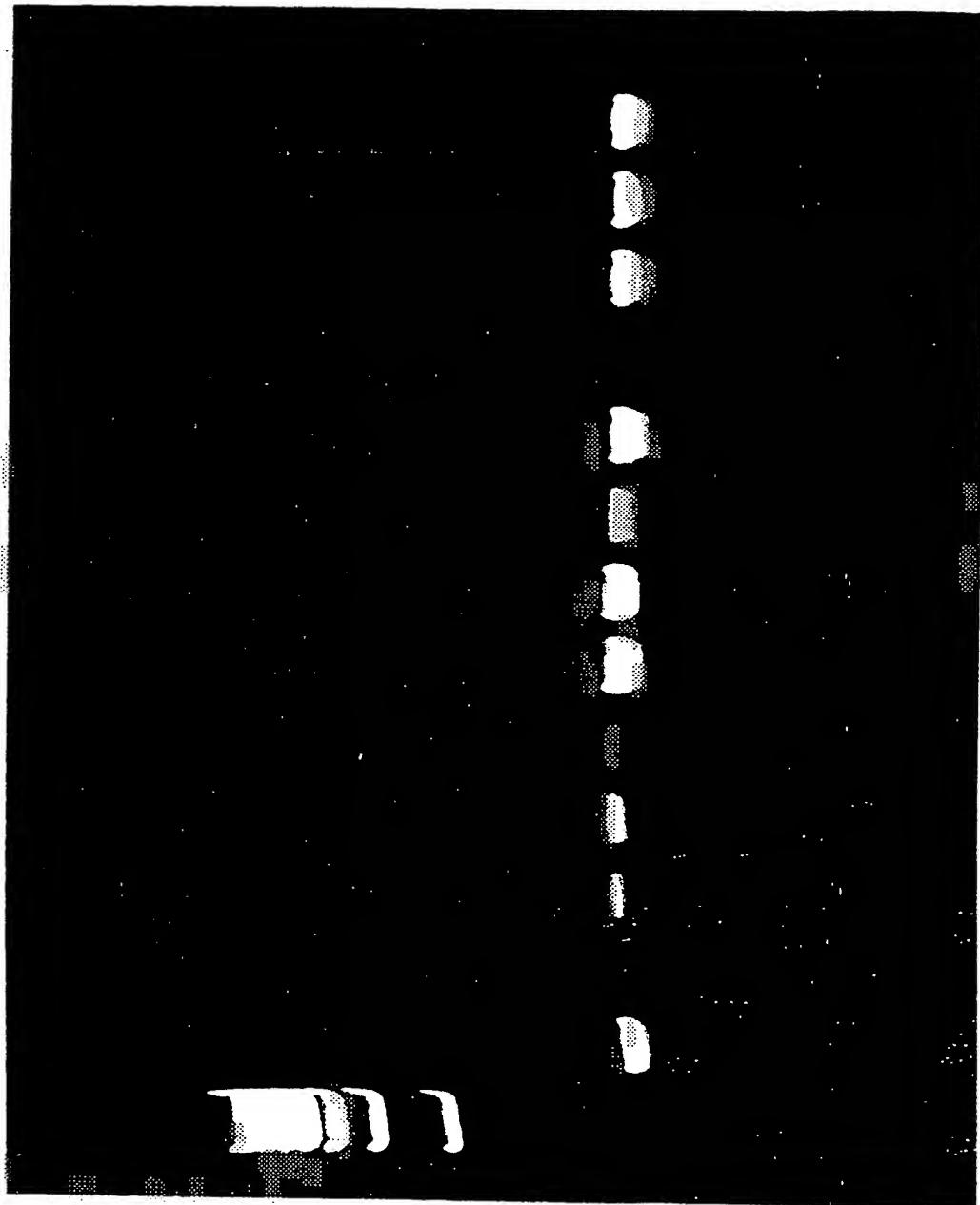


FIG. 21

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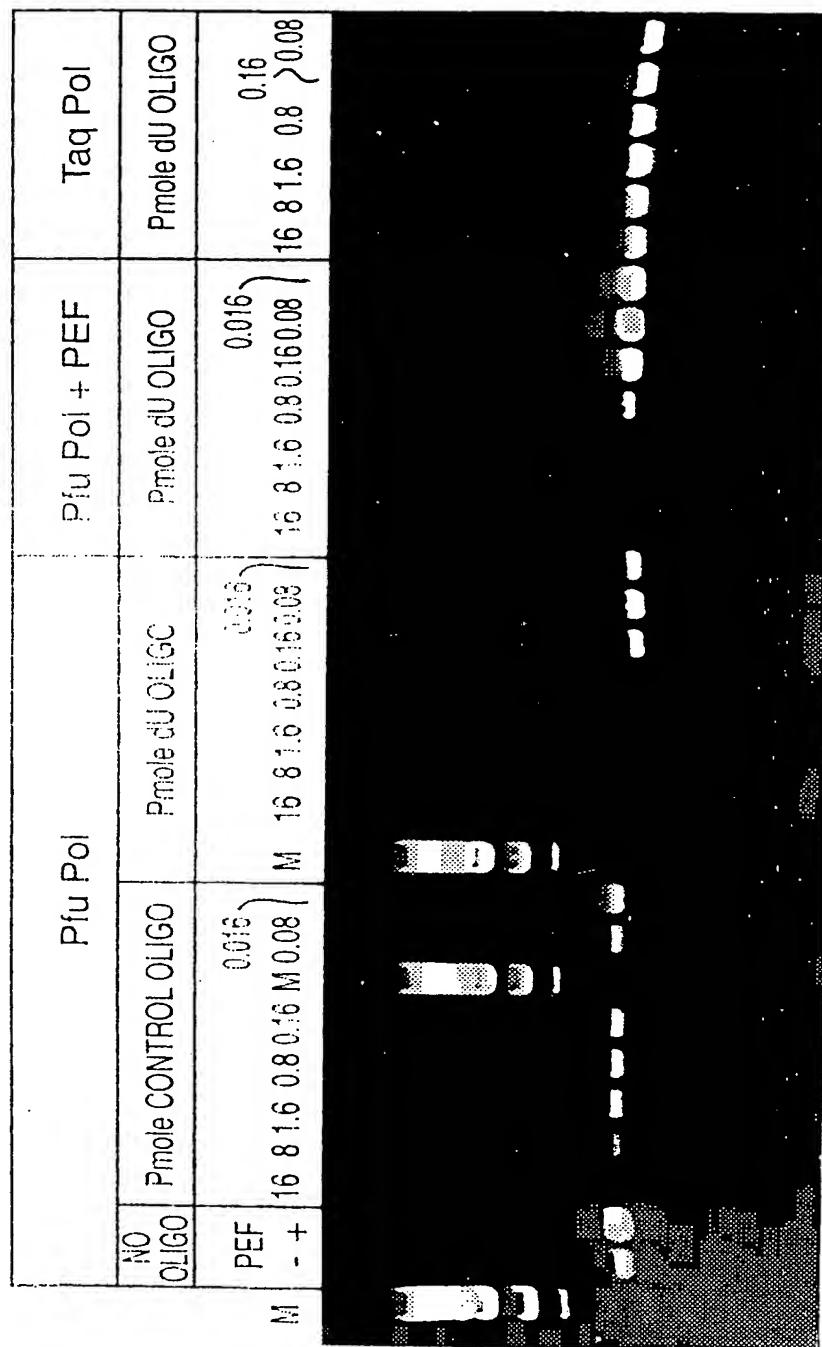
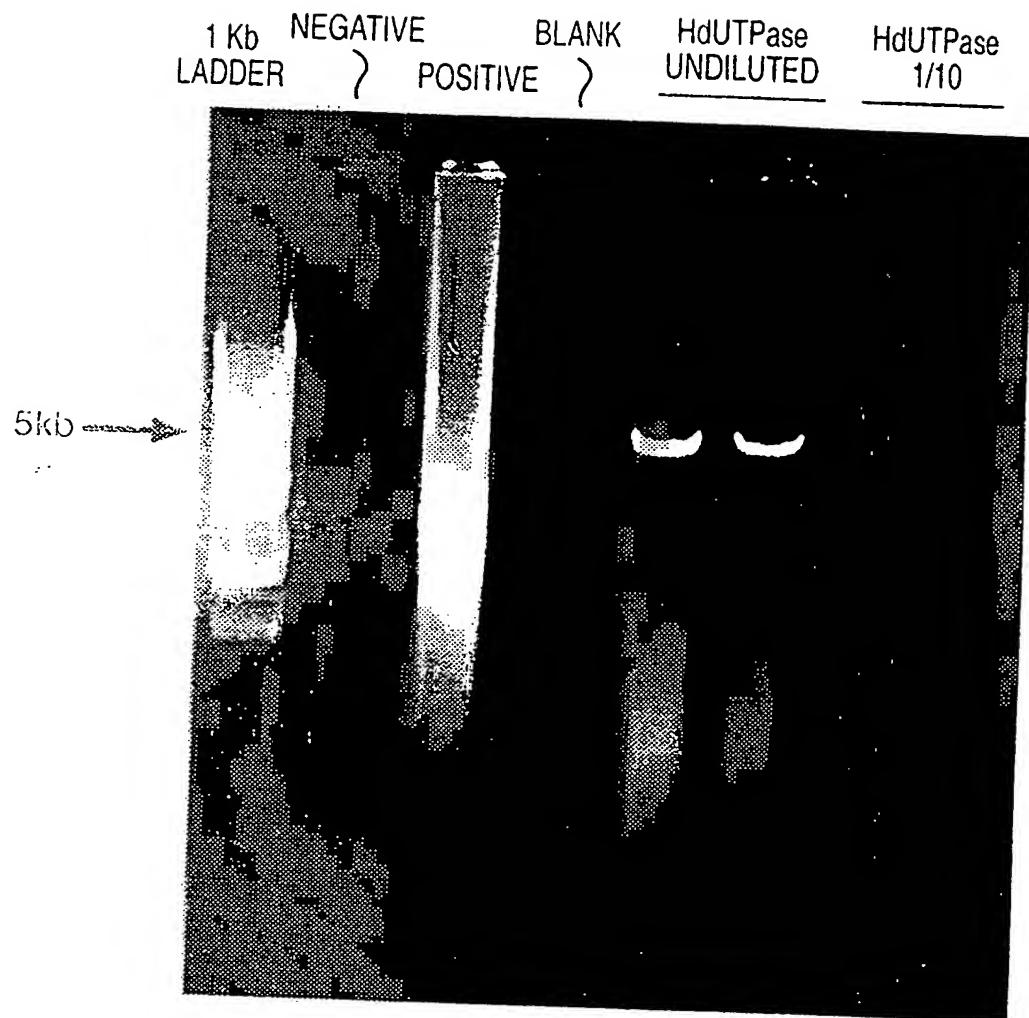


FIG. 22

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**FIG. 23**

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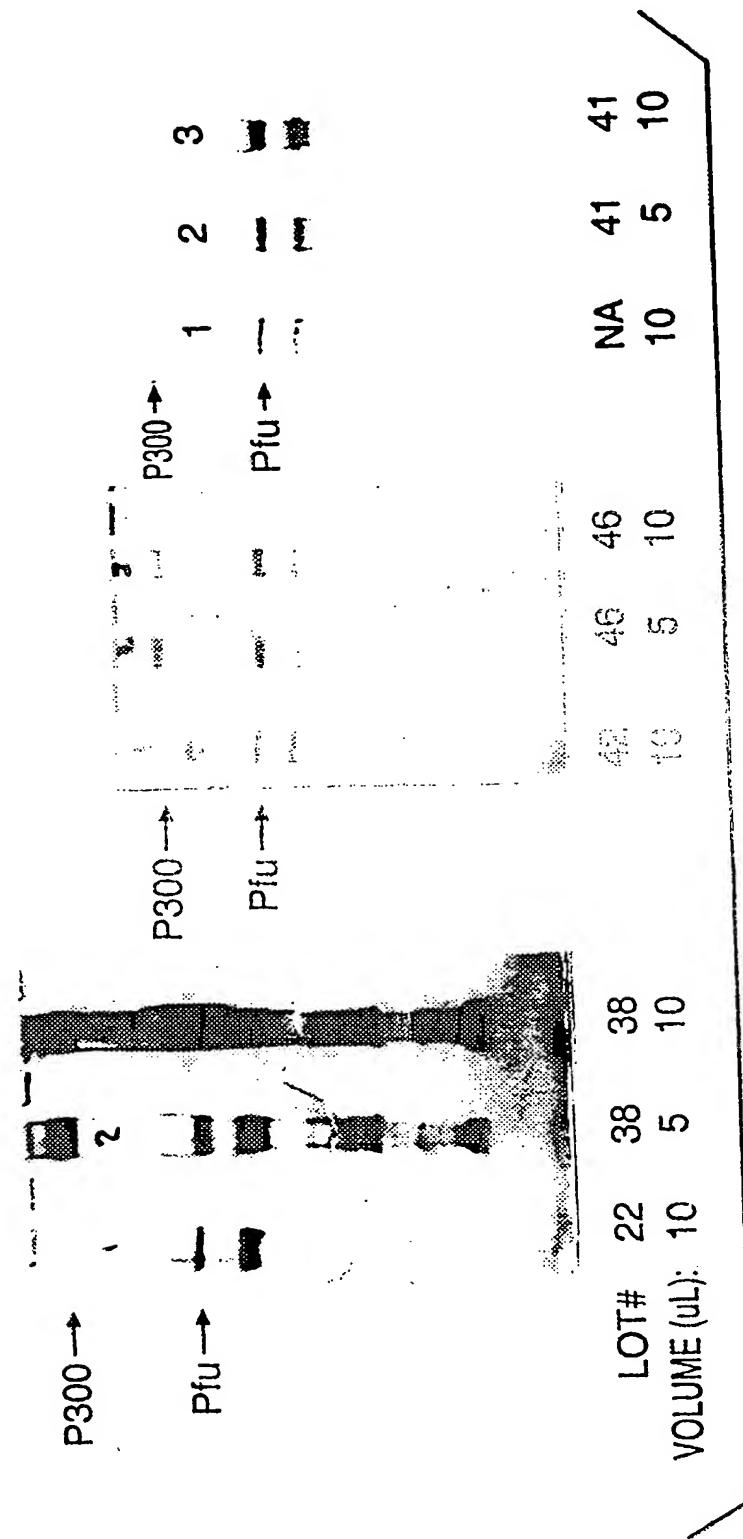
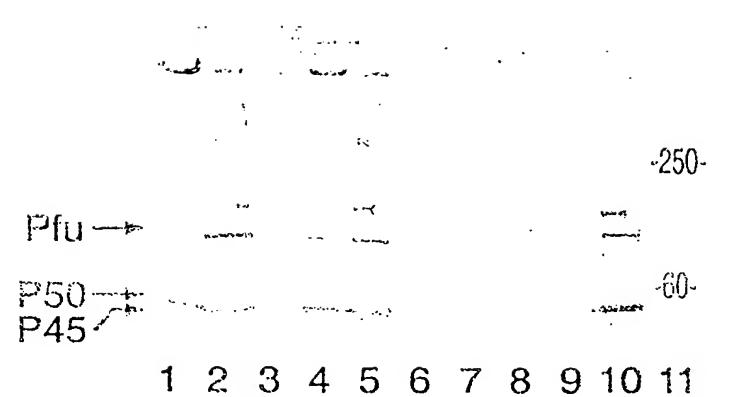


FIG. 24

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**FIG. 25**

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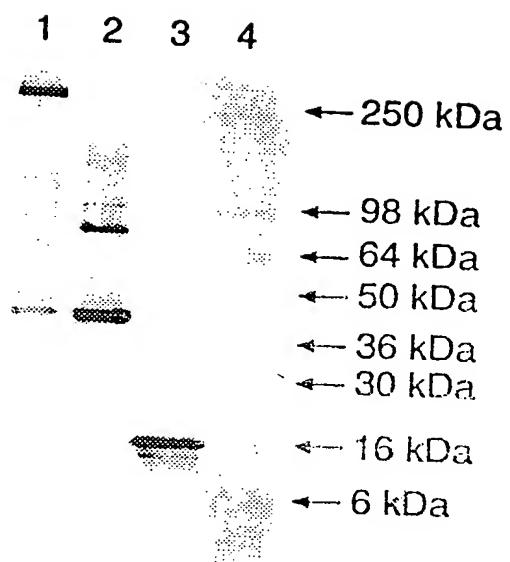


FIG. 26

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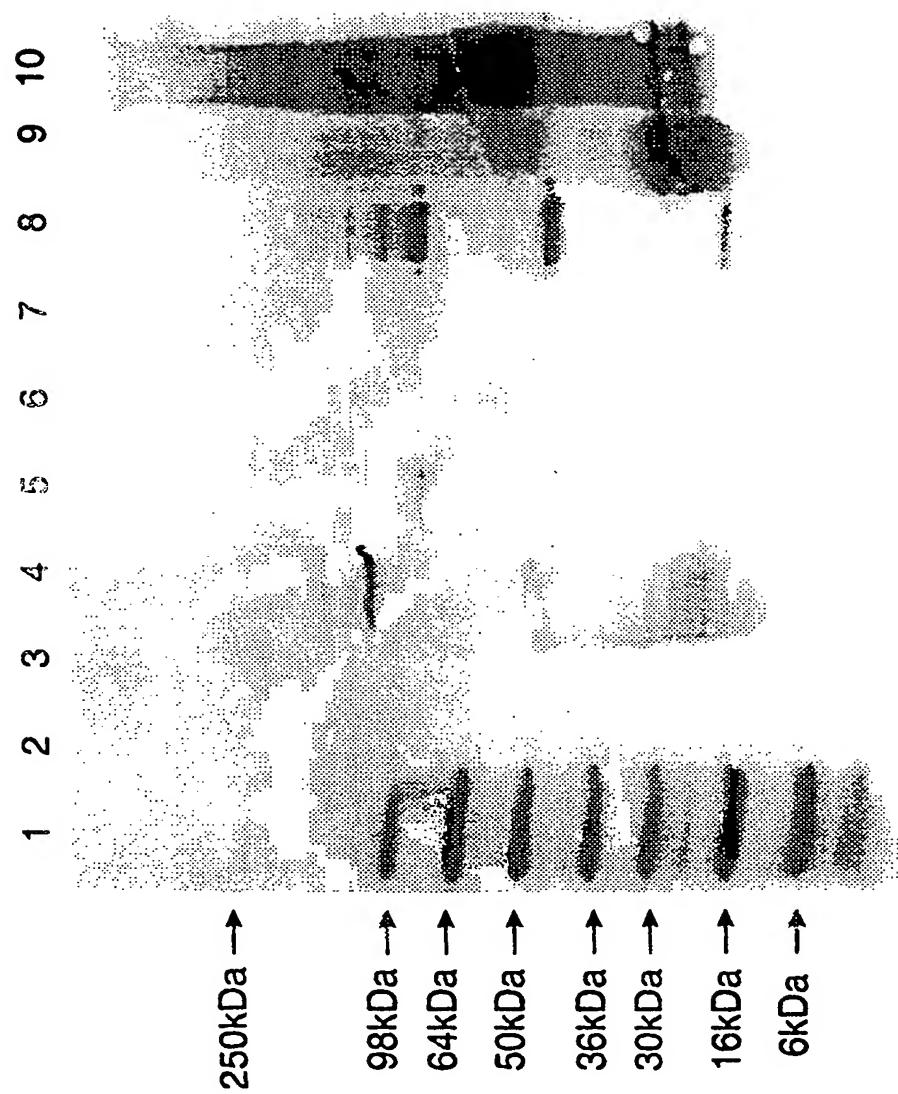


FIG. 27

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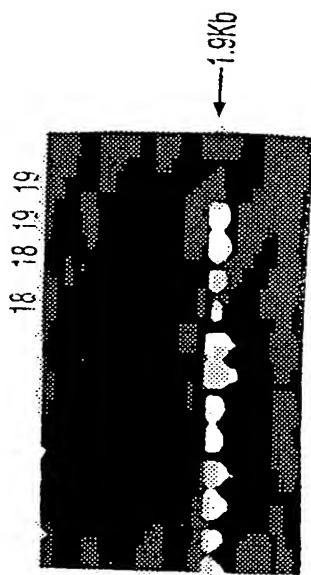
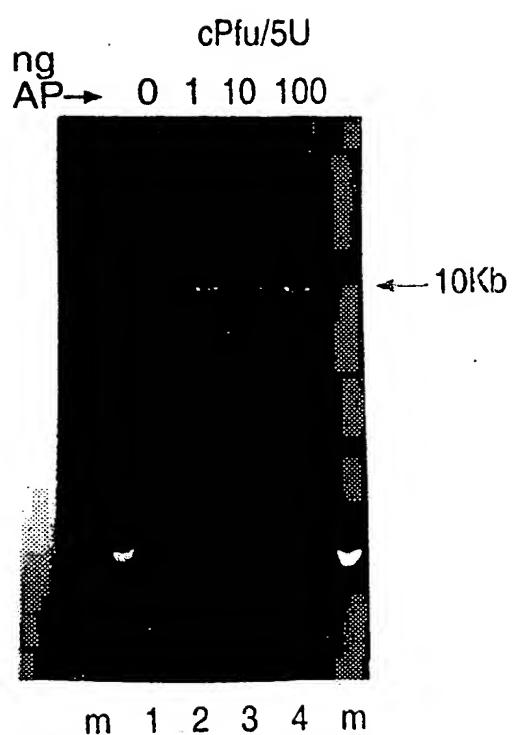


FIG. 28

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**FIG. 29**

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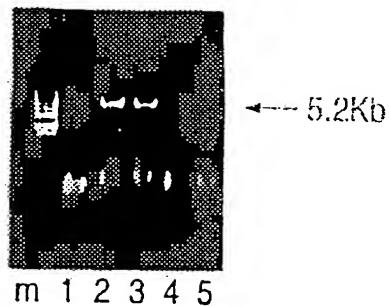


FIG. 30

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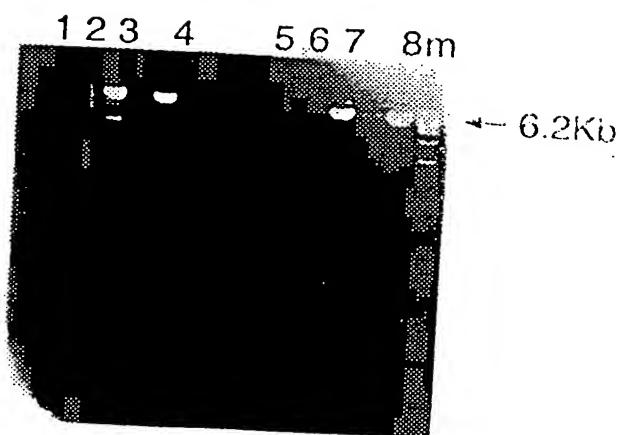


FIG. 31

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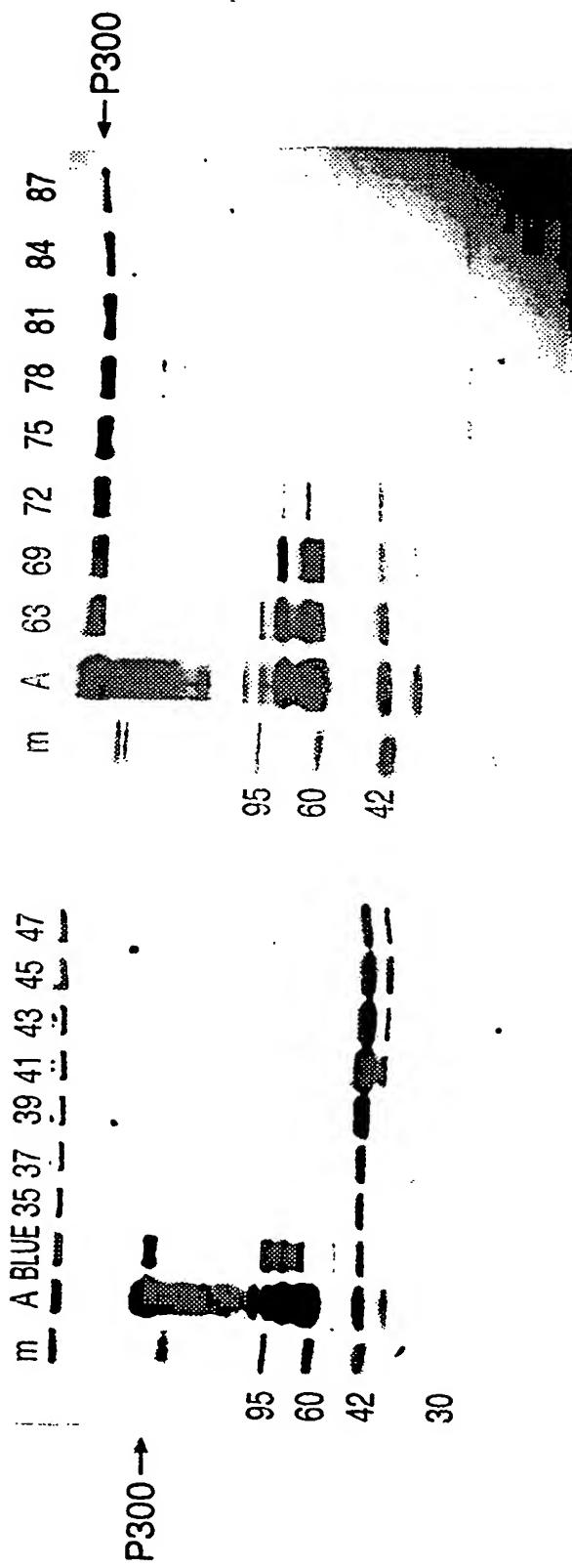


FIG. 32A

FIG. 32B

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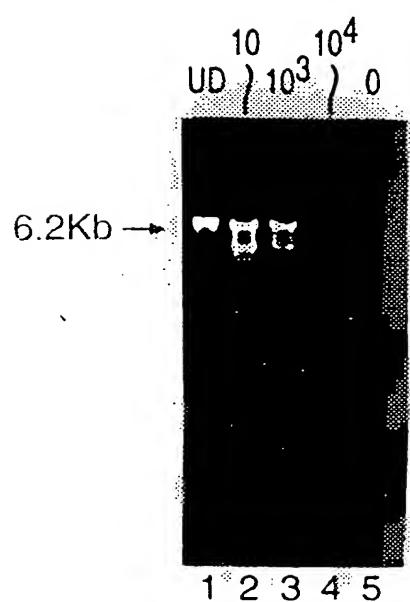


FIG. 33

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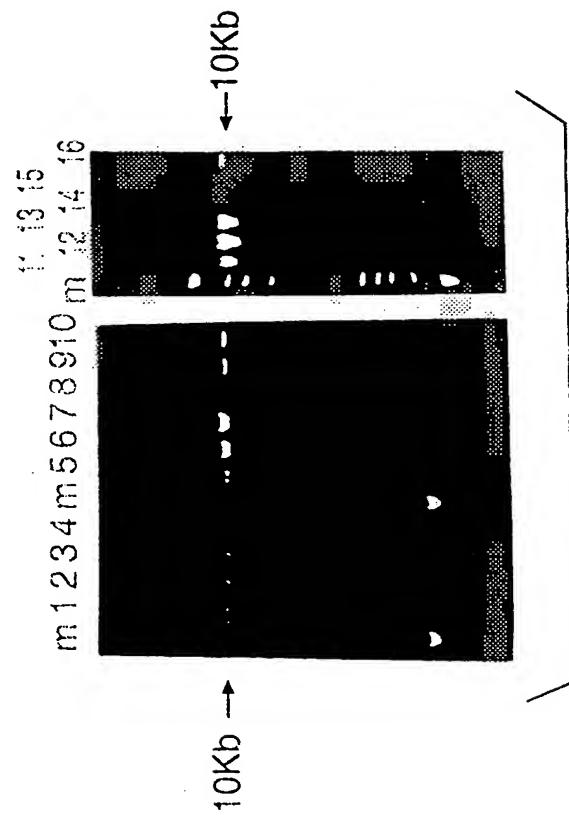
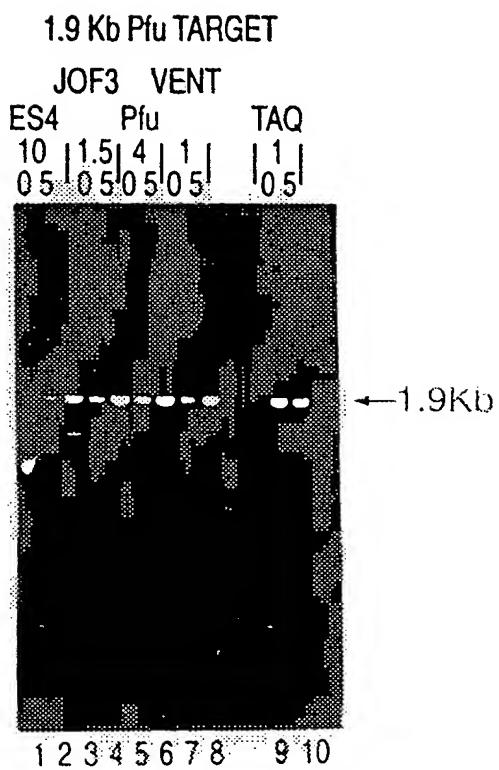


FIG. 34

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**FIG. 35**

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DEEP VENT USING 0.75 μ

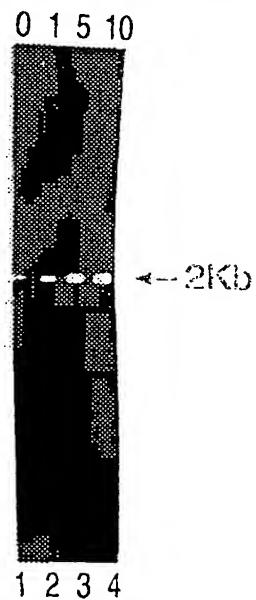


FIG. 36

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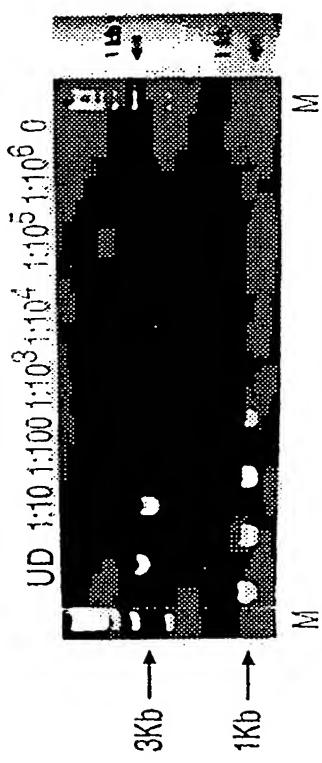
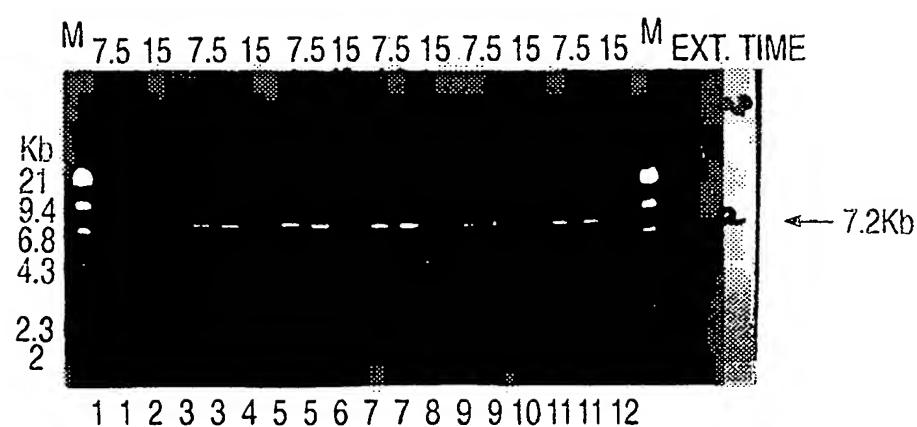


FIG. 37

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**FIG. 38**

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Pfu "PCR ENHANCER" IN QUICKCHANGE MUTAGENESIS

LINEAR AMPLIFICATION CONDITIONS				TRANSFORMATION RESULTS	
<u>POL.</u>	<u>BUFFER</u>	<u>H.S. #75</u>	<u>AMPL. PROD.</u>	<u>#cfu</u>	<u>%MUTANTS</u>
nPfu (#38)	nPfu	0	+	84	95
		1μl	±	47	87
		.1μl	+	154	97
		.01μl	++	632	95
		.001μl	+	484	94
nPfu (#24A)	nPfu	0	+	94	89
		1μl	+	34	85
		.1μl	+	173	91
		.01μl	++	468	96
		.001μl	+	230	90

FIG. 39

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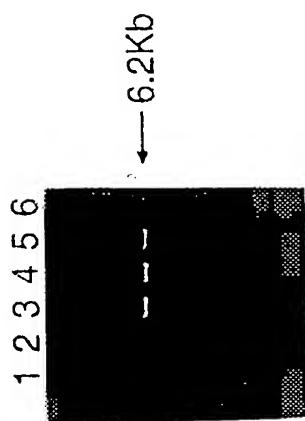
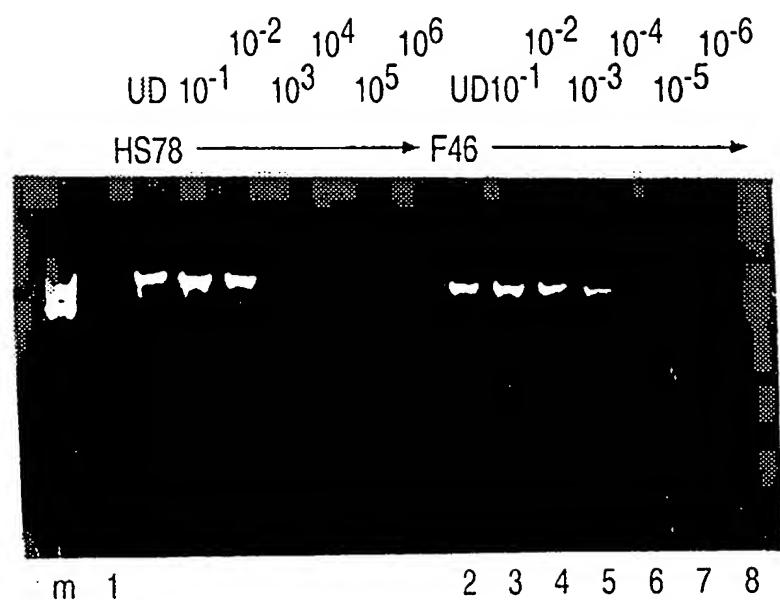


FIG. 40

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**FIG. 41**

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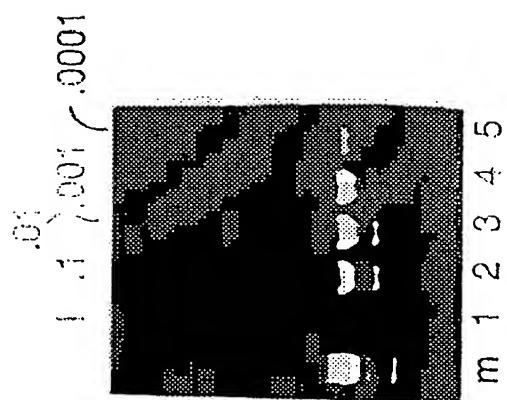


FIG. 42

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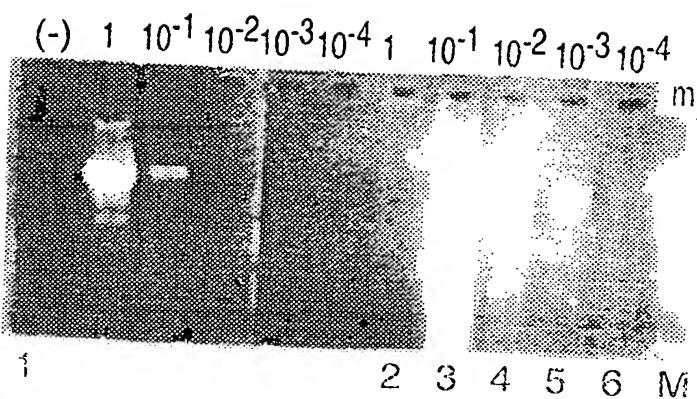


FIG. 43

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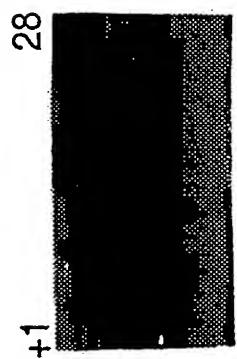
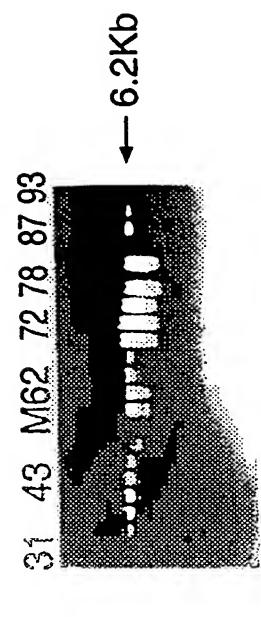


FIG. 44B

FIG. 44A